

Karen Chodack Johnston
Curriculum Vitae

Business Address

University of Virginia Health System
Department of Neurology, Box 800394
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I. Personal Data

Born: [REDACTED]
Citizenship: [REDACTED]

II. Education

[REDACTED]	AB	Colgate University, Cum Laude; Neuroscience - High Honors Hamilton, New York
	MD	University of Rochester School of Medicine and Dentistry Rochester, New York
	MSc	University of Virginia Health Evaluation Sciences Health Services Research and Outcomes Evaluation Charlottesville, Virginia Thesis Advisor: Alfred F. Connors, Jr., MD

III. Post-Graduate Education

1991-1992	Internal Medicine Intern	University of Rochester Strong Memorial Hospital Director: Rafael Dolin, MD
1992-1995	Neurology Resident	University of Rochester Strong Memorial Hospital Director: Robert C. Griggs, MD
1994-1995	Chief Resident	University of Rochester Strong Memorial Hospital
1995-1997	Fellow	University of Virginia Clinical Cerebrovascular Disease and Neurologic Clinical Trials Director : E. Clarke Haley Jr., MD

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IV. Academic Appointments

1997-2002	Assistant Professor of Neurology	University of Virginia School of Medicine
1998-2002	Assistant Professor of Research Health Evaluation Sciences	University of Virginia School of Medicine
2002-2005	Associate Professor of Neurology	University of Virginia School of Medicine
2002 -2007	Associate Professor of Research Health Evaluation Sciences	University of Virginia School of Medicine
2005-2007	Vice Chair for Research Department of Neurology	University of Virginia
2005-2007	Associate Professor of Neurology Without Term (Tenure)	University of Virginia School of Medicine
2007	Professor of Neurology and Public Health Sciences	University of Virginia School of Medicine
2007	Chair Department of Neurology	University of Virginia School of Medicine

V. Other Employment Pertaining to Current Professional Appointments

Consultation Positions:

1997	Genentech, Inc. Acute Ischemic Stroke Training, Keswick, VA
1997-1998	Neuroclinical Trials Center Scientific Planning Board, Charlottesville, VA
1998	Pfizer, Inc. Stroke Training, Groton, CT
1998-2000	Genentech, Inc. Acute Ischemic Stroke Advisory Board Member, June 1998 Chicago, IL; October 1998 - Montreal, Canada; July 1999 San Francisco, CA
1999	HealthView Inc., Acute Stroke Intervention Training, San Pedro, California
1999-2001	INC Research Medical and Scientific Consultant, Charlottesville, VA
1999-2002	Virginia Health Quality Center Consultant, Richmond, VA
2002	Solvay Pharmaceuticals; Aceon Stroke Advisory Board Member, Atlanta, GA
2002	Eli Lilly and Company Stroke Advisory Board Member, Chicago Illinois
2003	Health View Inc., MS research design, San Pedro, California
2003-present	JCAHO Disease-Specific Care Stroke Expert
2005	AstraZeneca, Global Advisory Board Participant, Paris France
2005	Ono Pharma USA, Inc Clinical Trial Consultant

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2005-2006	American Stroke Association – Bugher Foundation Consultant
2006	AstraZeneca, Advisory Board Participant, Chicago, Illinois
2006	Harvard Design School Stroke Outcomes Expert
2006 – present	Diffusion Pharmaceuticals Inc., trial design consultant
2007– present	Remedy Pharmaceuticals, Inc, trial design consultant
2010 – present	FDA Neurological Devices Panel consultant
2010 – present	Terumo DSMB – consultant
2011 – present	Steering Committee – GAMES stroke study
2012 – present	FDA Neurological Devices Panel member

VI. Certification and Licensure

Certification:

American Board of Psychiatry and Neurology

General Neurology 1996 Certification [REDACTED]

General Neurology Recert 2006

Cerebrovascular Disease 2005 Certification [REDACTED]

Licensure:

New York 1992 (exp) Permanent License [REDACTED]

Virginia 1996 Permanent License [REDACTED]

VII. Honors and Awards

1986	High Honors in Neuroscience, Colgate University Hamilton, NY (first in history of Colgate University)
1990	Alpha Omega Alpha
1991	Janet M. Glasgow Memorial Achievement Citation for Scholastic Achievement, Rochester, NY
1991	Student Prize in Clinical Neurology (Robert J. Joynt Award), Rochester, NY
1998	21 st Princeton Conference on Cerebrovascular Disease Invited Participant, St. Louis, MO
1998	NIH funded Interdisciplinary Training in Outcomes Research Program Invited Participant, Minneapolis, MN
1998	Certificate of Appreciation for Outstanding Contributions to Medical Academic Advancement Program
2000	22 nd Princeton Conference on Cerebrovascular Disease Invited Participant, Redwood City, CA
2000	Dean's Award for Excellence in Teaching
2003	American Academy of Neurology Teacher Recognition Award
2003-pres	University of Virginia Academy of Distinguished Educators; Founding Member; Chair Steering Committee (03-07)
2003	ACGME's Parker J. Palmer "Courage to Teach" Award Finalist
2003-13	Best Doctors in America® selection
2004	UVA Dean's appointment for Leadership in Academic Medicine Training This is a new program of leadership training at UVA (17 faculty chosen)
2004	University of Rochester Neurology Senior Faculty Alumnus Award

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- 2004 University of Virginia Neurology Dept Outstanding Leadership in Education Award
- 2005 Executive Leadership in Academic Medicine (ELAM) Participant, Drexel University (45 participants selected nationally/internationally)
- 2006 Elected admission to American Neurological Association (ANA)
- 2006-11 America's Top Physicians
- 2008 Harrison Distinguished Teaching Endowed Professorship
- 2009 Who's Who in Medicine Higher Education (WWMHE) Academic Keys
- 2009 National Association of Professional & Executive Women – Woman of the Year
- 2009 Nomination-Robley Dunlison Award for Outstanding Faculty Teachers
- 2010 2010 Woman of the Year in Medicine & Healthcare – American Biographical Institute
- 2011 American Neurological Association (ANA) Whitaker Professor
- 2011 Women in Medicine Leadership Award, University of Virginia

VIII. Professional Affiliations

- 2006-2010 ANA – American Neurological Association
Membership Committee 2006-2010
Chair – 2007-2010
- 1992-present AAN - American Academy of Neurology
Cerebrovascular Scientific Council 1997-2000
Epidemiology and Prevention Scientific Council 2001-2004
A.B. Baker Section on neurological education 2002-present
- 1995-present AHA - American Heart Association
Fellow of the American Heart Association 1998-present
Program Committee International Stroke conf 2005-2010
Chair – Outcomes Committee – 2005-2009
- 1996-2005 SCT - Society for Clinical Trials
- 1998-2005 ASENT - American Society for Experimental Neurotherapeutics
Founding Member 1998
- 2005-2007 American College of Physicians
- 2000-present MSV - Medical Society of Virginia
- 2002-present Virginia Neurological Society

IX. Areas of Research Interest

- Acute Stroke Therapy
- Risk Adjustment in Stroke Research
- Stroke Outcomes
- Neurological outcomes after cardiothoracic surgery

X. Current Research Projects

Stroke Hyperglycemia Insulin Network Effort (SHINE)

- Multicenter acute stroke trial of efficacy and safety of glucose control in hyperglycemic acute ischemic stroke patients (KCJ NIH-NINDS U01)

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Neurological Outcomes after Cardiothoracic Surgery (KCJ NIH-NHLBI – U01)

Consideration of neurological outcomes and neuroprotection in the cardiothoracic surgery network trials

Clinical Trials:

SHINE

Project PI (NIH-NINDS –U01)

Multicenter, randomized, controlled phase III efficacy trial of insulin infusion therapy in hyperglycemic acute ischemic stroke patients

XI. Editorial Responsibilities

Journals:

1996-present	Ad Hoc Reviewer for <i>Stroke</i>
1997-present	Ad Hoc Reviewer for <i>Neurology</i>
1999	Ad Hoc Reviewer for <i>Annals of Internal Medicine</i>
1999	Ad Hoc Reviewer for <i>American Journal of Radiology</i>
2003-2005	Ad Hoc Reviewer for McMaster PLUS/PIER projects or the Evidence-Based Journals
2003	Ad Hoc Reviewer for <i>The Lancet</i>
2003-2006	Section Editor, <i>Neurology</i> Resident and Fellow Section Founding Editor
2005-present	Ad Hoc Reviewer for <i>Annals of Neurology</i>
2005-present	Ad Hoc Reviewer for <i>Journal of Neurology, Neurosurgery & Psychiatry</i>
2005	Ad Hoc Reviewer for <i>Critical Care Medicine</i>
2005	Ad Hoc Reviewer for <i>BioMed Central Medical Education</i>
2006	Ad Hoc Reviewer for <i>Mayo Clinic Proceedings</i>
2006 -10	Ad Hoc Reviewer for <i>The Lancet Neurology</i>
2006	Editorial Board Member, <i>Neurology</i>
2006-2009	Associate Editor, <i>Neurology</i>
2006	Invited to be Editorial Board member, <i>Stroke</i> – declined due to pending associate editorship for <i>Neurology</i>
2006	Ad Hoc Reviewer for <i>Ethnicity and Disease</i>
2009	Ad Hoc Reviewer for <i>Nature Reviews Neurology</i>
2009	Ad Hoc Reviewer for <i>Journal of Women's Health</i>
2009-present	Ad Hoc Reviewer for <i>Annals of Neurology</i>
2011-present	Ad Hoc Reviewer for <i>JSCVD</i>
2011-present	Ad Hoc Reviewer for <i>JAMA</i>

XII. National/International Meeting Abstract Review

Abstracts reviewed in August (AHA) or December (AAN) the year prior to the following meetings:

American Academy of Neurology Annual Meeting
 San Diego, California (2000) - Cerebrovascular Disease
 Honolulu, Hawaii (2003 –Neuroepidemiology/Health Services & Outcomes
 Toronto, Canada (2010 – stroke, neuro-opth/oto)
 American Heart Association International Stroke Conference
 New Orleans, LA (2000) - Community Risk Factors

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Fort Lauderdale, FL (2001) - Diagnosis
 Dallas, Texas (2002) - Diagnosis
 Phoenix, Arizona (2003) – Diagnosis
 Phoenix, Arizona (2003) – Outcomes
 Orlando, Florida (2005) - Outcomes
 San Francisco, CA (2006) - Outcomes
 New Orleans, Louisiana (2007) – Outcomes
 San Diego, California (2008) – Outcomes
 Los Angeles, California (2011) – Outcomes
 New Orleans, Louisiana (2012) - Outcomes

International Stroke Conference – Section Chair – Outcomes – 2005 – 2009

XIII. Grant Review

2002	Civilian Research and Development Foundation Caucasus-U.S. Scientific Workshops Program
2003-2004	NINDS Special Emphasis Review Panel: “Quality of Life Outcomes in Neurological Disorder” RFP
2003	NIH Center for Scientific Research (CSR) Clinical Neurosciences and Disease Study Section (temporary member)
2004	NINDS Special Emphasis Review Panel ZNS1-SRB-K(11) – ALS clinical trial
2004	Chair - NINDS Special Emphasis Review Panel: “Clinical Research Collaboration Coordinating Center Contract Review”
2004	NINDS Clinical Trial Methods in Neurology Contract Project Concept Review Panel
2004	NINDS Special Emphasis Review Panel ZNSL SRB-K(15) – Parkinson Disease clinical trial
2004	Chair - NINDS Special Emphasis Review Panel: “Clinical Research Collaboration Coordinating Center Contract Review”
2004	NINDS Special Emphasis Review Panel ZRG1 BDCN-F – SBIR Medical Devices
2004	NINDS Special Emphasis Panel ZNS1-SRB-K19 – Huntington’s Disease clinical trial
2005	NINDS Special Emphasis Panel ZNS1-K – Parkinson Disease clinical trial
2005	NINDS Training Grant and Career Development Review Committee (NST) Study Section (temporary member)
2006	NINDS Mock review – Stroke Disparities Program Project
2006 - present	NINDS Training Grant and Career Development Review Committee (NST) Study Section (permanent 2010 – present)
2006-present	NINDS Neurological Sciences and Disorders K (NSD-K) Study Section (permanent member 2006-2010, ad hoc 2011 - present)
2006	NINDS Special Emphasis Panel ZNS1 SRB M36 – Fellowship
2006	NINDS Special Emphasis Panel ZNS1 SRB-M 39 – Fellowship
2007	NINDS Special Emphasis Panel - ZNS1 SRB-K (49) – Racial Differences in Stroke

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- 2007 **NINDS Special Emphasis Panel** - ZNS1 SRB W 26 – NSDK member conflict
- 2007 **UVA K12 Career Development Awards** in Clinical Translational Research; **Chair**
- 2008 **NINDS Special Emphasis Panel** – ZNS1 SRBG26
- 2008 **NHLBI Special Emphasis panel** ZHL1 CCT-B C11
- 2008 **NINDS Special Emphasis Panel** – HTN in stroke
- 2009 **NINDS Special Emphasis Panel** ZNS1 SRB-R38– Cerebral Hemorrhage
- 2009 **NINDS – Special Emphasis Panel** – ZNS1SRB-E(33)- Studies of Autonomic disorders
- 2010 **NINDS – Special Emphasis Panel** – ZNS1 SRB-M(74) Pediatric Neurology Training
- 2010 **NINDS – NSD-B ad hoc review**
- 2011 **NINDS – Chair Special Emphasis Panel** ZNS1 SRB-G(51)– NEXT Sites (network neurological clinical trial sites)
- 2011 **NINDS – Chair Special Emphasis Panel** – NEXT CCC -ZNS1 SRB-G(52)
- 2011 **NINDS – Chair Special Emphasis Panel** – NEXT DCC ZNS1 SRB-G(53)
- 2012 **NINDS – Special Emphasis Panel** – ZNS1 SRB-S(56)

XIV. Committees and Councils

National:

- 1999-2006 UVA Stroke Neurologist for **University Health System Consortium** Ischemic Stroke Project - evaluation of stroke outcomes
- 2002-present Warfarin verses Aspirin in Reduced Cardiac Ejection Fraction (WARCEF) Trial **NIH Data Safety and Monitoring Board**
- 2002-2006 Secondary Prevention of Small Subcortical Strokes (SPS3) Trial **NIH Data Safety and Monitoring Board**
- 2002-2006 **American Heart Association** Stroke Professional Education Committee of the Stroke Council.
- 2003-2006 Disease-Specific Care (DSC) Stroke Expert Panel for **JCAHO**
- 2003-2006 Field Administration of Stroke Therapy Magnesium Trial (FAST-Mag) **NIH Data Safety and Monitoring Board**
- 2005-present Ceftriaxone in ALS **NIH Data Safety and Monitoring Board**
- 2005-2009 International Stroke Council **Program Committee; Chair Outcomes**
- 2006-present **Chair, NIH-NINDS Clinical Research Collaboration** Advisory Board. This is an NIH-NINDS national neurology clinical research resource network that coordinates numerous neurology clinical trials funded by the NIH-NINDS. The advisory board will oversee the activities of all the clinical trials and their coordination.
- 2006 **Co-Chair, clinical trial section NIH-NINDS Stroke Progress Review Group,**

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2006-2010 Membership Committee-American Neurological Assoc. (ANA)
 2007 – present **NINDS** Clinical Trial Methods Course – **Director**, Career Dev't
 2008-2010 **Chair**, Membership Committee – ANA
 2009-2011 ASENT Program Committee
 2009-2011 **Director**, AAN Career Development Program for Pre-K awardees
 2009- 2011 AAN Scientific Program Committee
 2009-present Stroke Common Data Elements Working group – **Chair** Hospital
 Course and Acute Therapies Group
 2009-2011 ANA Honorary Membership Selection Committee
 2010 – 2011 **Director**, ANA Junior Faculty Development Course
 2010 – present **NHLBI** Data Safety Monitoring Board – SPRINT trial
 2010 – present Terumo Data Safety Monitoring Board
 2010 – present **FDA** Neuro Device Review Committee
 2011 – present **NINDS – Stroke PRG** – Co-chair -Clinical Trials Committee
 2011 – 2012 AUPN (Nat Assoc of Neurology Chairs) – 2nd **Vice President**
 2012 – present AUPN – **1st Vice President**
 2012 **NIH-NINDS** Stroke Planning Treatment Workgroup – appointed
 2012-present ANA (American Neurological Association) Exec Council **2nd VP**

State:

1999-2002 Virginia Health Quality Center Quality Improvement Group

University of Virginia:

2007- 2010 Director, Internal UVA K12 Career Development Scholars
 Program in Clinical Translational Research
 2007- present Thomas Jefferson Award Committee
 2012 Steering Committee for UVA strategic planning
 2013 Search Committee for UVA Executive Vice Pres Health Affairs

School of Medicine:

1997-1998 Scientific Planning Committee - Neurological Clinical Trials
 Center/Virginia Neurological Institute
 1998 Health Evaluation Sciences Clinical Nurse Coordinator Job
 Description Development Committee
 2000-2006 GCRC Advisory Committee
 2001-2005 Clinical Trials Office Advisory Committee
 2002 Search Committee for Division Director, Health Services Research
 and Outcomes Eval & Associate Dean for Clinical Investigation
 2002-2003 Educational Planning Committee (Decade Plan)
 2003-2005 Market Development Committee
 2003-2005 Executive Health Committee
 2003-2006 **Co-Chair/Chair**, Steering Committee of UVA Academy of
 Distinguished Educators
 2003-2005 Co-Chair, Education Research Subcommittee of the Academy of
 Distinguished Educators
 2005-2006 Educational Research Subcommittee of the Academy of
 Distinguished Educators

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2003-2005	Membership Subcommittee of the Academy of Distinguished Educators
2003-present	Faculty Development Advisory Committee to the Dean
2003-2005	Vice Chair , GCRC Advisory Committee
2004	Search committee for Associate Dean for Clinical Research
2005	Chair , Clinical Research Advisory Board to the Dean – reorganization of the clinical trials office advisory committee
2005-2007	The Dean's Teaching Excellence Awards Review Committee
2005-06	UVA SOM 2006 Research Retreat Planning Committee
2006-7	Chair , Robert J. Kadner Award for Outstanding Graduate Teaching Award Review Committee
2008 – 2010	Chair , Search Committee for Chair of Department of Public Health Sciences
2011	Chair , Dept/Chair Review Committee for other clinical dept
2012 – pres	Neuroscience Center of Excellence Executive Committee
2012 – pres	Clinical Strategy Group – UVA School of Medicine

Hospital:

1999	Internal Review Committee for Urology Residency Program
2001-2007	Associate Medical Director - Neurology, Stroke Center
2002-2004	Graduate Medical Education Committee
2003	Internal Review Committee for Vascular Surgery Program
2003-2004	Competency Development Committee of GMEC
2007- present	Chair , Buchanan Grant Review Committee

Department:

1995-present	Acute Stroke Intervention Team Member
1997-2007	Director , Acute Stroke Intervention Team
1998-1999	Associate Director , Neurology Residency Program
1999-2004	Director , Neurology Residency Program
2001-2004	Chair , Neurology Residency Curriculum Committee
2002	Neurology Access to Care Committee
2005	Search Committee for Multiple Sclerosis faculty
2005-2007	Vice Chair for Research
2007-present	Department of Neurology Promotion and Tenure Committee
2007 – present	Department Chair

XV. Funding

Current Funding:

Federal:

Stroke Hyperglycemia Insulin Network Effort (SHINE) Trial

Agency: NIH-NINDS - [REDACTED]

Period: 2011- 2018

Percent Effort: [REDACTED]

Amount: [REDACTED]

Role: **Administrative PI**

This is a large, multicenter randomized controlled Phase III trial of treatment of hyperglycemic acute ischemic stroke patients. Award – 8/1/11 – 7/31/18

Network for CT Surgical Investigations in Cardiovasc Medicine (Kron, Johnston PIs)

Agency: NIH- NHLBI/NINDS [REDACTED]

Period: July 2007- June 2012

Percent Effort: [REDACTED]

Role: **Co PI**

This is an award for UVA to be one of 7 clinical sites in a network of cardiovascular surgery sites where numerous clinical investigations will take place. The clinical investigations will include neurological outcomes in cardiovascular surgery patients.

NINDS Research Education program for Residents and Fellows at the University of VA

Agency: NINDS – [REDACTED] PIs)

Period: March 2009- February 2014

Percent Effort: primary mentor

Amount: [REDACTED]

Role: **PI**

This grant supports a resident training program to further a career in academic neuroscience.

Ultrasound Targeted Molecular Imaging in Large Arteries to Diagnose Stroke Risk

Agency: NIH NHLBI [REDACTED]

Period 8/15/12 – 5/31/16

Percent Effort: [REDACTED]

Amount: [REDACTED]

Role: **Co-investigator – stroke neurologist**

This project will develop a new ultrasound-based molecular imaging technology, called singular spectrum-based targeted molecular imaging, and validate the technique for detection of early markers for cardiovascular disease in in vivo rabbit studies

Mortality assessment in lung cancer resection. [REDACTED]

Agency: AHRQ [REDACTED]

Period: July, 2009 – June 2014

Total Award: [REDACTED]

Role: **Mentor**

This is a database analysis study that will develop and validate a model to assess risk of surgery in a lung cancer population.

Validation of a motor fatigue measure in MS [REDACTED]

Agency: NINDS **K23-** [REDACTED]

Period: September, 2009 – August, 2014

Total Award: [REDACTED]

Role: **Mentor**

Pending Funding:

Previous Funding:

Federal:

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Stroke Disparities Program ([REDACTED])

Agency: NIH-NINDS [REDACTED]

Period: July 2007 – October 2012

Percent Effort: Consultant

Role: **Program Advisory Committee**

This is a multicenter study of issues related to disparities of care in the acute stroke setting and in preventative stroke care settings.

Glucose Regulation in Acute Stroke (GRASP) (KC Johnston, PI)

Agency: NIH-NINDS [REDACTED]

Period: September, 2005 – May, 2010

Amount: [REDACTED]

Percent Effort: [REDACTED]

Role: PI

This is a multicenter middle phase clinical trial in acute ischemic stroke patients.

The Acute Physiology of Stroke Score (APSS) (KC Johnston, PI)

Agency: NIH-NINDS [REDACTED]

Period: September, 2005 – June, 2011

Amount: [REDACTED]

Percent Effort: [REDACTED]

Role: **PI**

Mid Career Investigator Award in Patient Oriented research that includes independent research in new risk score development and an additional education/mentoring component (thus is a K-mentoring award (not mentored)).

Sleep Apnea Treatment After Stroke (SATS) [REDACTED]

Agency: NINDS [REDACTED]

Period: January, 2006 – December 2010

Percent Effort: Consultant

Role: Independent Safety Monitor

Predictive Risk Model in Acute Ischemic Stroke

Agency: NIH- K23 [REDACTED] (KC Johnston PI)

Period: May, 2000-April, 2005

Total Amount: [REDACTED]

Percent Effort: [REDACTED]

Role: PI

Phase 2B study of TNK in Acute Stroke

Agency: NIH - [REDACTED]

Period: April, 2004 - June, 2007

Total Amount: [REDACTED]

Percent Effort: [REDACTED]

Role: Co-I, Executive Committee

Warfarin Aspirin Symptomatic Intracranial Disease Trial

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Agency: NIH- [REDACTED] PI)
 Period: May, 1999- June, 2004
 Total Amount: [REDACTED]
 Percent Effort: [REDACTED]
 Role: Site PI
 Pilot Study of TNK-TPA in Acute Ischemic Stroke
 Agency: NIH - [REDACTED])
 Period: December, 1999-November, 2003
 Total Amount: [REDACTED]
 Percent Effort: [REDACTED]
 Role: Medical Monitor and Co-investigator
 Sickel Cell Two-center Aspirin Response Trial (START)
 Agency: NIH RO1 [REDACTED] PI)
 Period: January, 2005-June, 2007
 Total Amount: [REDACTED]
 Percent Effort: [REDACTED]
 Role: Independent Safety Monitor
 Insulin Resistance Intervention after Stroke trial (IRIS) ([REDACTED] PI)
 Agency: NIH-NINDS [REDACTED]
 Period: September 2004 – June, 2007
 Amount: [REDACTED]
 Percent Effort: [REDACTED]
 Role: Site PI
 Siblings with Ischemic Stroke Study (SWISS)
 Agency: NIH RO1 [REDACTED] PI)
 Period: December, 2000-November, 2005
 Total Amount: [REDACTED]
 Percent Effort [REDACTED]
 Role: Co-Investigator
 African American Antiplatelet Stroke Prevention Study
 Agency: NIH- [REDACTED] [REDACTED] PI)
 Period: June, 1997-December, 2003
 Total Amount: [REDACTED]
 (Total received - [REDACTED])
 Percent Effort: [REDACTED]
 Role: Site PI

Industry Sponsored:

A 12 week double blind, placebo controlled study to assess the safety, tolerability, pharmacokinetics and effect on platelet aggregation of a dose range of SB 214857 when added to aspirin in patients with myocardial infarction, unstable angina, transient ischemic attack or stroke (APLAUD)

Agency: SmithKline Beecham
 Period: 1995-1997
 Total Amount: [REDACTED]
 Percent Effort: [REDACTED]
 Role: Site PI

Pharmaceutical Research and Manufacturers of America Foundation Fellowship
for Careers in Clinical Pharmacology Award

Agency: PhRMA
Period: June, 1997-May, 1998
Total Amount: [REDACTED]
Role: PI

The safety and efficacy of combination therapy using Prosynap (Lubeluzole) and
Activase (tPA) in ischemic stroke

Agency: Janssen Research Foundation
Period: 1997-1998
Total Amount: [REDACTED]
Percent Effort: [REDACTED]
Role: Site PI

Glycine Antagonist in Neuroprotection (GAIN) Americas

Agency: Glaxo Wellcome Inc.
Period: April, 1998-June, 1999
Total Amount: [REDACTED]
Percent Effort: [REDACTED]
Role: Site PI

A phase III, randomized, double blind, placebo controlled, efficacy and safety
study of Hu 23f2g (Leukarrest) in patients with acute ischemic stroke (HALT)

Agency: Icos
Period: 1999-2000
Total Amount: [REDACTED]
Percent Effort: [REDACTED]
Role: Site PI

A Prospective Multicenter Dose -Ranging Study of Intra-Arterial Thrombolysis
in Acute Middle Cerebral Artery Distribution Thromboembolic Stroke -
(PROACT II)

Site PI: Mary Jensen
Period: 1995-1996
Agency: Abbott Laboratories
Amount: [REDACTED]
Role: Co-Investigator

Glycine Antagonist in Neuroprotection I, II (GAIN I and II)

Site & Multicenter PI: EC Haley (UVA-coordinating ctr)
Period: 1995-1997
Agency: Glaxo Wellcome
Amount: [REDACTED]
Role: Co-Investigator

State:

University of Virginia Multidisciplinary Clinical Investigator Training Award

Agency: University of Virginia

Period: May, 1997-April, 1998

Total Amount: [REDACTED]

Role: PI

XVI. Invited Presentations at National/International Meetings

Plenary Sessions:

American Heart Association 23rd International Joint Conference on Stroke and Cerebral Circulation - "Relationship of Lesion Volume to Clinical Rating Scales," February 5, 1998, Orlando, Florida.

27th International Stroke Conference, Satellite Session February 9th, 2002 San Antonio, Texas; "Diagnostic Imaging" as part of "Stroke Management 2001: A Year in Review."

The American College of Physicians Internal Medicine 2007; "Prevention of Ischemic Stroke" as part of "Multiple small feedings of the mind". San Diego, CA April 19, 2007

Abstract Presentations:

121st Annual Meeting of the American Neurological Association, October 14, 1996. "Infarct Volume as a Surrogate Measure of Functional Outcome: Experience from the RANTTAS Trial," Miami Florida.

22nd International Joint Conference on Stroke and Cerebral Circulation, February 6, 1997. "Type I Errors in Clinical Stroke Trials with Unbalanced Randomization," Anaheim, California.

49th Annual Meeting of the American Academy of Neurology, April 17, 1997. "Medical and Neurological Complications of Ischemic Stroke: Experience from the RANTTAS Trial," Boston Massachusetts.

1st Neurology Outcomes Research Conference of the American Neurological Association, October 17, 1998. "A Predictive Model for Outcomes in Acute Ischemic Stroke," Montreal, Canada.

2nd Neurology Outcomes Research Conference of the American Neurological Association, October 15, 2000. "Combining Clinical and Infarct Volume Information as an Early Stroke Outcome Measure," Boston, Massachusetts.

27th International Stroke Conference, February 7th, 2002. "Predicting Outcome in Ischemic Stroke: External Validation of Predictive Risk Models," San Antonio, Texas.

54th Annual Meeting of the American Academy of Neurology, April 16, 2002. "Relationship Between Resident Inservice Training Examination and Neurology Board Examination Performance," Denver, Colorado.

28th International Stroke Conference, February 15, 2003. "Risk Adjustment Uncovers Greater Treatment Effect in NINDS tPA Trial," Phoenix, Arizona.

ACGME Annual Educational conference, March 6, 2003. "Program Self Assessment Instrument for Identifying General Competency Needs,"

Chicago, Illinois.

ACGME Annual Educational conference, March 6, 2003. "Improvement of Resident Compliance of the 30 Hour Maximum Call Period," Chicago, Illinois.

30th International Stroke Conference February 2005 "Relationship Between 3 Month NIHSS score and Dependence in Ischemic Stroke"

30th International Stroke Conference February 2005 "Ischemic Stroke Prediction Model Improved With Acute Physiology Variable"

31st International Stroke Conference February 16, 2006 "Glucose Regulation in Acute Stroke Patients (GRASP) Trial," Orlando, Florida.

31st International Stroke Conference February 17, 2006 "An Improved Prediction Model for Acute Ischemic Stroke," Orlando, Florida.

31st International Stroke Conference February 17, 2006 "Characterization of Hemorrhage Patients in the WASID trial," Orlando, Florida.

International Stroke Conference February 2008. "The GRASP trial" Clinical Trials Section. New Orleans, Louisiana

World Stroke Congress September, 2008. Primary Results of the Glucose Regulation in Acute Stroke Patient (GRASP) Trial. Vienna, Austria

International Stroke Conference February 2009 – 4 different abstracts – GRASP Trial secondary results. San Antonio Texas

XVII. Invited Speaker/Participant

National/International:

American Academy of Neurology and American Heart Association panel member for development of evidence-based practice parameter, January, 1999. External Reviewer for Stroke Quality of Care Study August, 1999, Rochester, NY.

American Academy of Neurology Scientific Sessions - Co-Chair- Cerebrovascular Outcomes S49 with [REDACTED], MD -April, 1999, Toronto Canada.

American Heart Association Scientific Sessions - Co-Chair -Quality Improvement for Stroke Care with [REDACTED], MD, February 12, 2000, New Orleans, LA.

American Academy of Neurology and American Heart Association Joint Stroke Guidelines: Anticoagulants and Antithrombotic Agents in Acute Stroke Writing Panel - February, 1999- 2002: Meetings in Toronto, Canada, Dallas, TX, New Orleans, LA.

University Health Consortium Ischemic Stroke Benchmarking project - Site Physician 1999 - present, Charlottesville, VA.

26th **International Stroke Conference** Satellite Session - February 14th, 2001- Fort Lauderdale, FL; "Diagnosis and Imaging" as part of "Stroke Management 2000: A Year in Review." ([REDACTED])

26th **International Stroke Conference** Scientific Session - Co-Chair -Scientific Session XII - Imaging of Atherosclerosis Oral Abstracts February 16, 2001 - Fort Lauderdale, FL. [REDACTED]

28th **International AHA Stroke Conference** Scientific Session – Co-Chair Scientific Session: Outcomes Research, February 2003; Phoenix, AZ.

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- 28th International AHA Stroke Conference** Cerebrovascular Early Career Development Forum “Mentoring Hour with a Professor” February, 2003; Phoenix, AZ.
- Stroke Performance Measure Advisory Panel to **JCAHO and American Stroke Association**. Development of hospital performance requirements for JCAHO certification as stroke center. 2003-2006
- Emory University Neurology Grand Rounds** “Risk Adjustment in Stroke Research,” April 16, 2004; Atlanta, GA.
- 56th Annual Meeting of the American Academy of Neurology** Scientific Session Co-chair – Scientific Session S09: Neuroepidemiology and Race/Ethnicity, April 27, 2004; San Francisco, CA.
- 56th Annual Meeting of the American Academy of Neurology** Futures in Clinical Research, April 27, 2004; San Francisco, CA.
- First Annual Utah Stroke Symposium** “A Clinical Approach to TIA” and “Evaluation of TIA/Stroke Patients,” May 21-22, 2004; Salt Lake City, UT.
- American Society of Interventional & Therapeutic Neuroradiology Carotid Stent Workshop** “National Institutes of Health Stroke Scale Overview,” August 13, 2004; Boca Raton, FL.
- American Society of Interventional & Therapeutic Neuroradiology Carotid Stent Workshop** “Antiplatelet therapy, an update on the MATCH trial and WASID trial,” August 13, 2004; Boca Raton, FL.
- International Symposium on Endovascular Therapy** “National Institutes of Health Stroke Scale,” January 16-20, 2005; Miami, FL.
- Sickle Cell Disease: An Update on Methods for Successful Clinical Trials.** “Methodology Issues in Stroke Clinical Trials,” November 19, 2005; Washington University, St. Louis, MO.
- 31st International AHA Stroke Conference** Scientific Session – Co-Chair ‘Reaching Everyone with Acute Stroke Therapy,” February 17, 2006; Orlando, FL.
- University of Pennsylvania Neurology Grand Rounds.** “Glucose Regulation in Acute Stroke Patients,” March 9, 2006; Philadelphia, PA.
- The Brooklyn Stroke Symposium 2006.** “An update on secondary stroke Prevention,” April 28, 2006; Brooklyn, NY.
- The American College of Physicians Internal Medicine 2007;** “Prevention of Ischemic Stroke” as part of “Multiple small feedings of the mind”. San Diego, CA April 19, 2007
- NINDS/ANA Career Development Symposium;** “Transition from Career Development to Independent Research”, Washington D.C. October 6,7 2007
- International Stroke Conference** “Linking Surrogate and Clinical Outcomes From Early Hours to Day 90”. New Orleans, LA. February, 2008
- International Stroke Conference Supplemental Session.** Stroke Management Update. “Acute Stroke Therapy”. New Orleans, LA. February, 2008
- International Stroke Conference.** Outcomes Oral Abstract Moderator. New Orleans, LA. February, 2008
- International Stroke Conference.** “Impaired Glucose Metabolism”, moderator. New Orleans, LA. February, 2008

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International Stroke Conference. Fellow and Early Career Mentoring Session.
New Orleans, LA February, 2008

American Academy of Neurology Leadership Development Program.
Washington, DC. March, 2008.

Stroke Treatment Academic Industry Roundtable (**STAIR VI**) Acute Stroke
Treatment: A time for innovation. “Recommendations for Regulatory and
Organizational Aspects” Workshop. Washington, DC. March, 2008

Women’s Health Congress 2008. “Stroke Prevention for Women”.
Williamsburg, VA April, 2008

**NINDS/AUPN/ANA Workshop on How to Combine Clinical and Research
Careers in Neuroscience – Medical Student Mentoring Workshop for
MD/PhD students. Residency Training and Beyond – Panel, Research
Training and Career Development – Panel, “Physician Scientist: Career
and Family”, Washington, DC June 7, 2008.**

ANA/NINDS Summer Course for Clinical Translational Researchers. “Getting
Started in your Clinical Translational Research Career”. Park City, Utah
August 8, 2008.

NINDS Clinical Trials Methods Course in Neurology. “Endpoints and Study
Populations in Phase II”; “Biomarkers and Clinical Measurements”;
“Focus on Endpoints and Analysis Plan”; “Career Development”;
“Contracts, Conflicts and Confidentiality”. Vail, Colorado August 17-23,
2008.

University of Wisconsin at Madison Grand Rounds. “Glucose Regulation in
Ischemic Stroke”. September 12, 2008

Capital Region Stroke Symposium. “An Update on Acute Ischemic Stroke
Management. Harrisburg, PA Oct 3, 2008.

7th Annual Indiana Neurological Society Meeting. “Glucose Regulation in Acute
Stroke. Indianapolis, Indiana October 10, 2008.

Johns Hopkins University Grand Rounds. “Glucose Regulation in Ischemic
Stroke”. October 30, 2008.

AAN Winter Conference. “An Update on Acute Ischemic Stroke Management”.
Orlando, Florida. January 16, 2009.

**NINDS/AUPN/ANA Workshop on How to Combine Clinical and Research
Careers in Neuroscience – “Physician Scientist: Career and Family”,
Washington, DC May 29, 2009**

32nd Annual Contemporary Clinical Neurology Symposium. “Current Acute
Stroke Care”, “Update in New Treatments for Acute Stroke”, “Choosing
an Antiplatelet Agent for Secondary Stroke Prevention”, “Update on
Atrial Fibrillation and Stroke Prevention”. Hilton Head, SC July 21, 2009

Mayo Clinic Visiting Professor. “Glucose Regulation in Acute Stroke Patients”,
“Academic Neurology Career Success: Additional Skills to Acquire”.
July 26-28, 2009.

Clinical Trials Methods in Neurology Course. “Additional Skills to Acquire for
Academic Success”, “Careers in Clinical Trials Panel Discussion”, Vail,
Colorado August 20, 2009

Wake Forest Grand Rounds. “Glucose Regulation in Acute Stroke Patients.
October, 2009

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International Stroke Conference 2010. "Too Sweet to Treat" February 2010, San Antonio, Texas

International Stroke Conference 2010. "Getting a Kaward" February 2010. San Antonio, Texas

AAN Research Career Development Symposium. Director, Panel Moderator, Mock Study Section. April 10, 2010 Toronto, Canada.

NINDS/AUPN/ANA How to Combine Clinical and Research Careers in Neuroscience Symposium. "Physician Scientist: Career and Family, Can you have it all? June 25-26, 2010 Washington, DC.

International Stroke Conference 2011. Session Co-chair Health System Factors Influencing Stroke Outcomes. February 9, 2011. Los Angeles, California

International Stroke Conference 2011. Moderator Career Development Luncheon. February 9, 2011. Los Angeles California

International Stroke Conference 2011. Moderator: Outcomes, Quality and Health Services Research. February 10, 2011. Los Angeles California

University of Rochester Visiting Professor. "Glucose Regulation in Acute Stroke; Introducing the SHINE Trial". April 22, 2011. Rochester, NY

University of Pennsylvania Visiting Professor. "Glucose Regulation in Acute Stroke; Introducing the SHINE Trial". July 28, 2011. Philadelphia, PA

Clinical Trials Methods in Neurology Course. "Career Development Symposium" "Careers in Clinical Trials Panel Discussion", Vail, Colorado August 18, 2011

State/Regional:

Virginia Council of Nurse Practitioners Annual Conference, April 12, 1996. "Current Concepts in the Prevention and Management of Cerebrovascular Disease," Richmond, VA.

Stroke Symposium Memorial Hospital of Martinsville and Henry County, September 18, 1996. "New Treatments for Acute Stroke," Martinsville, VA.

Thrombolysis Symposium Danville Regional Medical Center, November 19, 1996. "New Treatment for Acute Ischemic Stroke," Danville, VA.

Stroke Symposium Beckley Appalachian Regional Hospital, January 22, 1997. "New Treatment for Acute Ischemic Stroke," Beckley, WV.

Stroke Lecture Alleghany Regional Medical Center, February 1997. "Acute Ischemic Stroke," Low Moor, VA.

Stroke Conference Augusta Medical Center, March 5, 1997. "New Treatments for Acute Ischemic Stroke," Fishersville, VA.

Virginia Council of Nurse Practitioners Annual Conference, April 3, 1997. "The Five Minute Neurological Exam," Richmond, VA.

Charlottesville Stroke Club Educational Presentation, October, 1997. "Acute Ischemic Stroke Therapies," Charlottesville, VA.

Eastern Virginia Medical School, March 24, 1998. "An Update on tPA for Acute Ischemic Stroke," Hampton Roads, VA.

Thomas Jefferson Emergency Medical Services, July 5, 2001. "Acute Stroke In-Field Care Training for TJEMS," Charlottesville, VA.

Roanoke Neurologic Association, July 18, 2001. "Update on Acute Ischemic Stroke," Roanoke, VA.

Pegasus and Medcom Emergency Teams, August 9, 2001. "Prehospital Acute

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Stroke Training,” Charlottesville, VA.
28th Annual Recent Advances in Medicine Conference, October 26, 2001.
“Secondary Prevention of Ischemic Stroke: What Should We Prescribe,”
Charlottesville, VA.
Forum on the Women’s Health Initiative Hormone Replacement Therapy – HRT
and stroke risk, July 17, 2002, Omni Hotel (600+ attendees)
Charlottesville, VA.
Salem Veteran’s Administration Hospital. Hospital Wide Grand Rounds, April 4,
2003 “Update on Management of Acute Ischemic Stroke,” Salem, VA.
Clinical Stroke Advisory Council Meeting on Stroke Prevention, June 24, 2003,
Charlottesville, VA
Roanoke Neurologic Association, June 30, 2003. “Acute Ischemic Stroke
Management Update: Review of recent acute guidelines and secondary
stroke prevention data,” Roanoke, VA
Live at 5, NBC 29 local News, April 1, 2004. “Stroke,” Charlottesville, VA
Women’s Health Festival, May 1, 2004. Stroke Expert. Charlottesville, VA
Local neurologists educational forum, July 27, 2004 “Update on Secondary
Stroke Prevention,” Charlottesville, VA
Recent Advances in Clinical Medicine “Clinicians Guide to Stroke Management,”
October, 2004, Charlottesville, VA
Stroke Prevention Symposium Keynote address “An Update on Secondary Stroke
Prevention,” November, 2004, Danville, VA.

UVA:

Internal Medicine Grand Rounds UVA, “New Rx for Acute Ischemic Stroke”
October, 1997.
Critical Care Grand Rounds UVA, “Acute Stroke.” Spring, 1997.
Internal Medicine Grand Rounds UVA, “Acute Stroke Update.” 1998.
Cardiology Conference, “Acute Stroke Intervention.” Spring, 1998.
Student Interest Group in Neurology UVA, “Introduction to Stroke.”
Spring, 1998.
Internal Medicine Grand Rounds UVA, “Update on Secondary Stroke
Prevention.” January, 1999.
Neurology Grand Rounds UVA, “A Predictive Risk Model in Acute Ischemic
Stroke.” January, 1999.
Neurology Grand Rounds UVA, “Acute Stroke Update.” July, 1999.
Internal Medicine Residents, “Neurology for the Boards.” June, 1999.
Cardiology - Fellows Conference UVA, “Update in Acute Ischemic Stroke.”
Spring, 2000.
Neurology Grand Rounds UVA, “Update on Acute Ischemic Stroke.” July, 2000.
Internal Medicine Grand Rounds UVA, “Update on Management of Acute
Ischemic Stroke.” November 20, 2000.
Neurology Grand Rounds UVA, “Update on Acute Ischemic Stroke.” July, 2000.
Neurology Grand Rounds UVA, “An Update on Acute Stroke Therapy.”
July 20, 2001.
Student Interest Group in Neurology UVA, “Introduction to Stroke” and
“Introduction to Residency,” Fall, 2001.

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Neurology Grand Rounds UVA, “Acute Stroke Management: Update on Thrombolysis, Hypothermia, and Antithrombotic Therapy,” July 12, 2002.

Graduate Medical Education Retreat UVA, “ACGME Mandated General Competencies, Issues for Consideration,” October 24, 2002.

Professional Development Workshop For Residents and Fellows, “Introduction to ACGME General Competencies” and “Top 10 Do’s and Don’ts of Clinical Research,” November 14, 2003.

Neurology Grand Rounds UVA. “Acute Ischemic Stroke Management Update.” July, 2004.

Neurology Grand Rounds UVA. “An Update on Secondary Stroke Prevention.” November, 2004

Women in Medicine Conference “Mentoring Generation X.” October 28, 2005

Leadership in Academic Medicine “Reflections on LAM.” January 5, 2005.

Neurology Grand Rounds: “Glucose Regulation and Ischemic Stroke.” January 6, 2006

Multidisciplinary Diabetes Conference “Glucose Regulation in Acute Stroke Patients”. July 7, 2006

Department of Surgery Grand Rounds “Carotid Endarterectomy in Asymptomatic Women”. May 23, 2007.

UVA Women’s Work Speaker “Glucose Regulation in Acute Ischemic Stroke. October 6, 2008.

First Annual Johns Wooten Neurological Symposium “Recurrent Stroke Prevention”. October 8, 2008

K12 Seminar “Preparing to Submit Your NIH K-award: Obstacles and Solutions”. December 14, 2009

Second Annual Johns Wooten Neurological Symposium, “Stroke Update” June 12, 2010

UVA Neurology Grand Rounds “Glucose Regulation in Acute Stroke – Introducing the SHINE Trial” Nov 11, 2011

XVIII. Bibliography:

(Trainees are underlined)

Refereed Publications:

1. The RANTTAS Investigators. A Randomized Trial of Tirilazad Mesylate in Patients with Acute Stroke (RANTTAS) (**principal author**). *Stroke* 1996;27:1453-1458.
2. Parkinson Study Group. Safety and efficacy of pramipexole in early Parkinson’s disease, a randomized dose-ranging study (**writing committee**). *JAMA* 1997;278:125-130.
3. **Johnston KC**, Haley EC. Emergency imaging of the acute stroke patient. *J Neuroimaging* 1997;7:111-117.
4. **Johnston KC**, Li JY, Lyden PD, Hanson SK, Feasby TE, Adams RJ, Faught RE, Haley EC, The RANTTAS Investigators. Medical and neurological complications of ischemic stroke: experience from the RANTTAS Trial. *Stroke* 1998;29:447-453.
5. **Johnston KC**. What are surrogate outcome measures and why do they fail? *Neuroepidemiology* 1999;18:167-173.

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6. Saver JL, **Johnston KC**, Homer D, Wityk R, Koroshetz W, Truskowski LL, Haley EC for the RANTTAS Investigators. Infarct volume as a surrogate or auxiliary outcome measure in ischemic stroke clinical trials. *Stroke* 1999;30:293-298.
7. Worrall BB, **Johnston KC**. Antiplatelet therapy in secondary stroke prevention: an update. *Current Atherosclerosis Reports* 2000;2:104-109.
8. Kindler DD, Lopez GA, Worrall BB, **Johnston KC**. Update on Therapies for acute ischemic stroke. *Neurosurgical Focus* 2000;8(5):Article 2:1-5.
9. Worrall BB, **Johnston KC**. Antiplatelet agents, carotid endarterectomy and perioperative complications. *Neurosurgical Focus* 2000;8(5):Article 1:1-4.
10. The North American Glycine Antagonist in Neuroprotection (GAIN) Investigators. Phase II studies of the glycine antagonist, GV150526 in Acute stroke: The North American Experience (**writing committee member**). *Stroke* 2000;31:358-365.
11. **Johnston KC**, Connors AF, Wagner DP, Knaus WA, Wang XQ, Haley EC for the RANTTAS Investigators. A predictive risk model for outcomes of ischemic stroke. *Stroke* 2000;31:448-455. .
12. Worrall BB, Farace E, Hillis AE, Hutson RK, Wityk R, Saver JL, **Johnston, KC**, Haley EC and the RANTTAS Investigators. Correlation of aphasia and/or neglect with cortical infarction in a subpopulation of RANTTAS. *Cerebrovasc Dis* 2001;11:257-264..
13. Brown D, **Johnston KC**. Symmetric Intracerebral Calcifications. *Neurology* 2001;57:396.
14. Morgan J, Alhatou M, Oberlies J, **Johnston, KC**. Transient ischemic attack and stroke associated with Sildenafil (Viagra) use. *Neurology* 2001;57:1730-1731.
15. Worrall BB, **Johnston KC (Co-first author)**, Kongable G, Hung E, Richardson DJ, Gorelick PB for the AAASPS Investigators. Stroke risk factor profiles in African-American women: an interim report from the African-American Antiplatelet Stroke Prevention Study. *Stroke* 2002;33:913-919.
16. **Johnston KC**, Wagner DP, Haley EC, Jr, and Connors AF, Jr, for the RANTTAS Investigators. Combined clinical and Imaging information as an early stroke outcome measure. *Stroke* 2002;33:466-472.
17. Worrall, BB and **Johnston, KC**. Antiplatelet therapy to prevent recurrent stroke: An update for home health physicians *Home Health Care Consultant*, 2002;9:10-16.
18. Coull BM, Williams LS, Goldstein LB, MeschiaJF, Heitzman D, Chaturvedi S, **Johnston, KC**, Starkman, S, Morgenstern LB, Wilterdink JL, Levine SR, Saver JL. Anticoagulants and Antiplatelet Agents in Acute Ischemic Stroke. Report by the American Academy of Neurology/American Heart Association Joint Stroke Guidelines Committee. *Neurology*, 2002. 59(1):13-22.
19. Coull BM, Williams LS, Goldstein LB, MeschiaJF, Heitzman D, Chaturvedi S, **Johnston, KC**, Starkman, S, Morgenstern LB, Wilterdink JL, Levine SR, Saver JL. Anticoagulants and Antiplatelet Agents in Acute Ischemic Stroke. Report by the American Academy of Neurology/American Heart Association Joint Stroke Guidelines Committee. *Stroke*, 2002. 33(7):1934-42.
20. **Johnston, Karen C** and Marx William F Jr. Microhemorrhages on Gradient Echo MRI. *Neurology*, 2003;60:518.

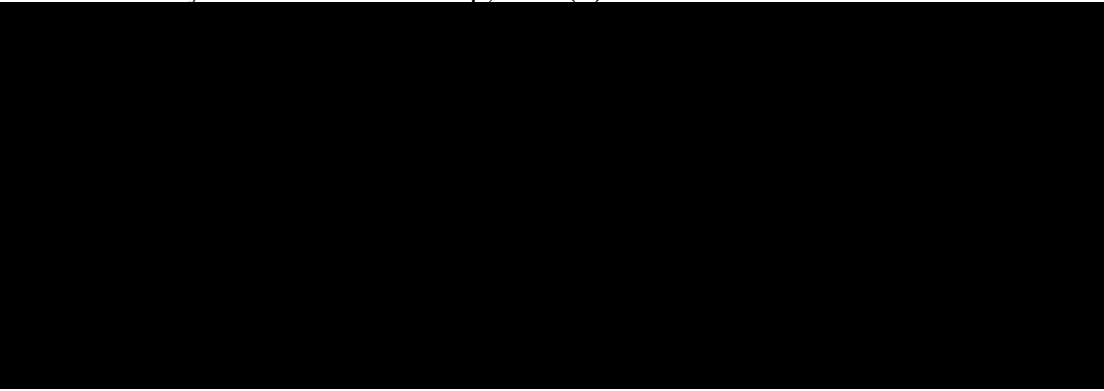
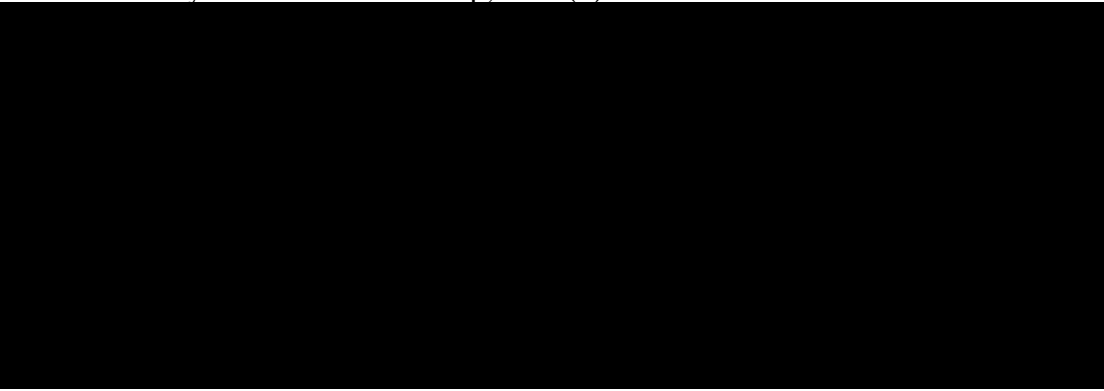
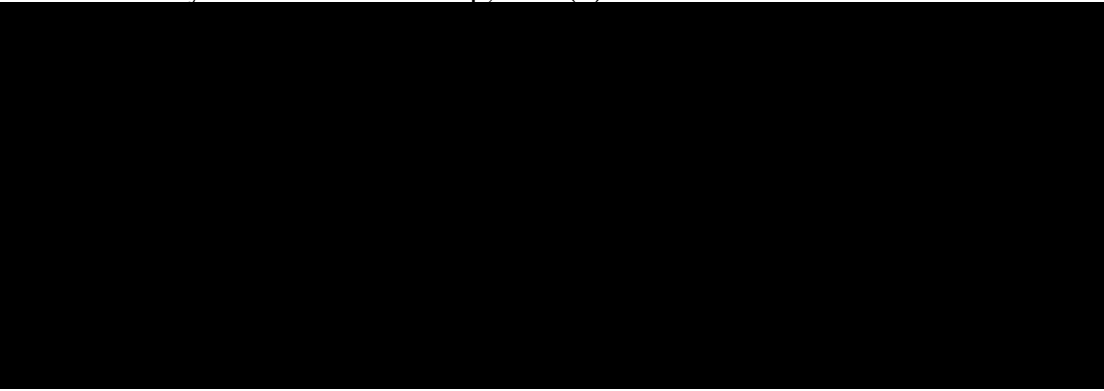
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21. **Johnston KC**, Connors AF, Wagner DP and Haley EC. Predicting Outcome in Ischemic Stroke: External Validation of Predictive Risk Models. *Stroke*. 2003;34:200-202.
22. Juel, Vern C and **Johnston, Karen C (Co-first author)**. Predict Resident Exam Performance (PREP) Study. *Neurology*, 2003;60:1385-1388.
23. **Johnston KC** and Worrall BB. Teleradiology Assessment of Computed Tomographs Online Reliability Study (TRACTORS). *Telemedicine Journal and Ehealth*. 2003;9:227-233.
24. **Johnston Karen C**. University of Virginia Competency Assessment and Evaluation Instruments: Self Assessment and Vital Evaluations (SAVE) *Neurology. Academic Medicine* 2003; 78: 1217-1220.
25. **Johnston Karen C** and Mayer Stephan A. Blood pressure reduction in ischemic stroke: A two-edged sword? *Neurology* 2003;61:1030-1031.
26. **Johnston Karen C**. Introducing the Resident and Fellow Page. *Neurology* 2004;62:12.
27. Brown Devin L, **Johnston Karen C**, Wagner Douglas P, Haley E. Clarke. Predicting major neurological improvement with intravenous rt-PA treatment of stroke. *Stroke* 2004;35:147-150.
28. **Johnston Karen C**, Connors Alfred F Jr, Wagner Douglas P and Haley E. Clarke Jr. Risk Adjustment Effect on Stroke Clinical Trials. *Stroke* 2004;35:e43-e45.
29. Rundek T, Nielsen K, Phillips S, **Johnston KC**, Hux M, Watson D for the GAIN Americas Investigators. Healthcare Resource Utilization after Acute Stroke in the Glycine Antagonist in Neuroprotection (GAIN) Americas Trial. *Stroke* 2004;35:1368-1374.
30. **Johnston, Karen C**. Highlights of the 2004 AAN Activities for Trainees. *Neurology* 2004;62:E18.
31. **Johnston, Karen C**. Resident and Fellow Page Update. *Neurology* 2004;63:1154.
32. Haley EC, Lyden PD, **Johnston KC**, Hemmen TM and the TNK in Stroke Investigators. A Pilot dose-escalation safety study of Tenecteplase (TNK) in acute ischemic stroke. *Stroke* 2005;36:607-612.
33. Palesch, YY, Tilley BC, Sackett DL, **Johnston KC**, Woolson R. Applying a Phase II Futility Study Design to Therapeutic Stroke Trials. *Stroke* 2005, 36:2410-2414.
34. **Johnston KC**. Effects of Sildenafil (Viagra) on Cerebral Blood Vessels. *Neurology* 2005, 65:785.
35. **Johnston KC** and Wagner DP. Relationship between 3 month NIHSS score and Dependence in Ischemic Stroke Patients. *Neuroepidemiology* 2006;27:96-100.
36. **Johnston KC** and Holloway RG. There is nothing staid about STARD. Progress in reporting of diagnostic accuracy studies. *Neurology* 2006;67:740-741.
37. Barrett KM and **Johnston KC**. New TIA Guidelines: A Step Forward but Journey Just Begun. *Annals of Neurology* 2006; 60:273-274.
38. Elkind MSV, Prabhakarn S, Pittman J, Koroshetz W, Jacoby M and **Johnston KC** for the GAIN Americas Investigators. Sex as a predictor of 3 month outcome in patients treated with intravenous recombinant tPA for acute stroke. *Neurology* 2007; 68:842-848.
39. Barrett, KM and **Johnston KC**. Intracranial posterior circulation stenting: Promise but still without evidence. *Neurology* 2007;68:805-806..

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40. **Johnston, KC**, Wagner DP, Wang X, Newman GC, Thijs V, Sen S, Warach S for the GAIN, Citicoline and ASAP Investigators. Validation of an Acute Ischemic Stroke Model: Does DWI lesion volume offer a clinically significant improvement in prediction of outcome? *Stroke* 2007;38:1820-1825. Pub ahead of print - April 19,2007.
41. Phillips, SJ; Dai D; Mitnitski A; Gubitz GJ; **Johnston KC**; Koroshetz WJ; Furie KL; Black S; Heiselman DE on behalf of the GAIN Americas Investigators. Clinical diagnosis of lacunar stroke in the first six hours after symptom onset: analysis of data from the Glycine Antagonist in Neuroprotection (GAIN) Americas trial. *Stroke* 2007;38:2706-2711. Pub ahead of print August, 2007.
42. Nehab F, Cotssonis G, Lynn M, Feldmann E, Chaturvedi S, Hemphill JC, Zweifler R, **Johnston K**, Bonovich D, Kasner S, Chimowitz M for the WASID Study Group. Prevalence and Prognosis of Coexistent Asymptomatic Intracranial Arterial Stenosis. *Stroke* 2008;39:1039-1041.
43. Fedoruk LM; Wang H; Conaway M; Kron IL and **Johnston KC**. Statin therapy improves outcome following valvular heart surgery. *Annals of Thoracic Surgery*, 2008,85:1521-1525.
44. Turner C Lisle, Barrett Kevin M, Gazoni, Leo M, Swenson Brian M, Scott Christopher D, Kazemi Ali, Kern John A, Peeler Benjamin B, Kron Irving L, **Johnston, Karen C**. Timing of stroke following cardiopulmonary bypass determines mortality. *Annals of Thoracic Surgery* 2008; 85:1556-1562.
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46. Gross Robert A and **Johnston Karen C**. Levels of Evidence: Taking *Neurology* to the next level. *Neurology* 2009;72:8-10
47. **Johnston, Karen C**; Barrett, Kevin M; Ding, Yong Hong and Wagner, Douglas P. Clinical and Imaging Data at 5 Days as a Surrogate for 90 Day Outcome in Ischemic Stroke. Results of the Acute Stroke Accurate Prediction (ASAP) Trial Early Outcome Substudy. *Stroke* 2009;40:1332-1333.
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50. Barrett Kevin M, Ding Yong Hong, Wagner Douglas P, Kallmes David F and **Johnston Karen C**. Change in DWI Infarct Volume Predicts Neurologic Outcome at 90 Days: Results of the Acute Stroke Accurate Prediction (ASAP) Trial Serial Imaging Substudy. *Stroke* 2009, 40:2422-2427.
51. **Johnston Karen C**, Hall Christiana E (Co-first author), Kissela BrettM, Bleck Thomas P and Conaway Mark R. Glucose Regulation in Acute Stroke Patients (GRASP) Tria: A Randomized Pilot Trial. *Stroke* 2009;40:3804-3809.
52. Kazley Abby S, Hillman Diane G, **Johnston Karen C**, Simpson Kit N. Hospital Care for Stroke Patients on the Weekends Versus Weekdays: Is There a Disparity in the Quality and Aggressiveness of Care? *Archives of Neurology*, 2010; 67:39-44.
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54. **Johnston KC**, Parsons M. Aggressive glucose control in acute stroke. Is the answer in the imaging? *Annals of Neurology*, 2010;67:557-558.
 55. **Johnston KC**, Yan G. Acute Physiology of Stroke Score (APSS). *Stroke*, 2011;42:2336-2338.
 56. Hertzberg VS; **Johnston K**; Stern BJ. Bayesian Analysis of Evidence from Studies of Warfarin vs Aspirin for Symptomatic Intracranial Stenosis. *Journal of Modern Applied Statistical Methods*, 2011,98(2):583-591.
 57. Southerland Andrew, Malik Shaneela, **Johnston Karen C**. Symptomatic ICH and Outcomes in Patients after IV tPA: a business of risk or risky business. *Neurology*, 2011;77:315-316 (pub ahead of print).
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Book Chapters and Reviews:

- Johnston KC**. Subarachnoid hemorrhage. In: Donnelly and Lipscher, eds. Mosby's USMLE Step 3 Review; Specialty Clinical Sciences. Mosby, 1997.
- Johnston, KC**. Death by brain criteria. In: Donnelly and Lipscher, eds. Mosby's USMLE Step 3 Review; Specialty Clinical Sciences. Mosby, 1997.
- Johnston KC**. Cerebral vascular disease. In: Donnelly and Lipscher, eds. Mosby's USMLE Step 3 Review; Specialty Clinical Sciences. Mosby, 1997.
- Johnston, KC** (ed.). Neurology, Chapter 1. In: Donnelly and Lipscher, eds. Mosby's USMLE Step 3 Review; Specialty Clinical Sciences. Mosby, 1997.
- Johnston, KC**, Worrall BB. Book review of "Clinical Approach to Antiphospholipid Antibodies." *Neurology* 2001;56:824-825.
- Johnston, KC**. Book review of "Stroke Syndromes" *Neurology* 2003;60:156.

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- Johnston, KC.** Risk Adjustment in stroke research. *Seminars in Cerebrovascular Diseases and Stroke* 2003;3:100-106.
- Brown, DL, Smith TL, Johnston, KC.** Medical Complications of Stroke In: Kasner SE, Gorelick PB, eds. *Blue Books of Practical Neurology: Prevention and Treatment of Ischemic Stroke*. Elsevier, 2004; 349-362.
- Brown, DL, Smith TL, Johnston, KC.** Neurological Deterioration in Acute Stroke In: Kasner S, Gorelick P, eds. *Blue Books of Practical Neurology series: Prevention and Treatment of Ischemic Stroke*. Elsevier, 2004; 363-376.
- Brown DL, Smith TL, Johnston KC.** Medical Complications of Stroke In: Kasner S, ed. *Up To Date*. 2006.
- Brown DL, Johnston KC, Palesch YY.** Clinical trials in common neurological disorders: acute ischemic stroke. Chapter 22 In Ravina, B ed. *Clinical Trials in Neurology*. Cambridge University Press, 2012.

Letters to the Editor:

- Johnston KC.** Gaining Perspective on Mentoring Generation X. *Med Ed* 2006;40:824.
- Johnston, KC;** Hall CE and Bleck, TP. Managing Hyperglycemia in Acute Stroke Patients. *Stroke* 2007;38(11) e137.

Selected Abstracts (through 2009 only):

- The Parkinson Study Group. Dose ranging study of safety and efficacy of the dopamine agonist pramipexole in early Parkinson's disease. *Mov Disord* 1995;10:691.
- Saver JL, **Johnston KC**, Homer D, Wityk R, Koroshetz W, Truskowski LL, Haley EC, The RANTTAS Investigators. Infarct volume as a surrogate measure of functional outcome: experience from the RANTTAS Trial. *Ann Neurol* 1996;40:497.
- Johnston KC**, Alves WM, Choi SC, Boateng FB, Fan K, Haley EC. Type I Errors in clinical stroke trials with unbalanced randomization. *Stroke* 1997;28:267.
- Johnston KC**, Li JY, Feasby TE, Lyden PD, Adams RJ, Hanson SK, Faught RE, Haley EC, The RANTTAS Investigators. Medical and neurological complications of ischemic stroke: experience from the RANTTAS Trial. *Neurology* 1997;48 (Supplement):372.
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